Ref #	Hits	Search Query	DBs	Default Operat or	Plura Is	Time Stamp
L1	1061	(341/58,87,94,95).CCLS.	USPAT	OR	OFF	2007/03/01 10:57
L2	. 0	(369/47,48).CCLS.	USPAT	OR	OFF	2007/03/01 10:57
L3	693	(360/32).CCLS.	USPAT	OR	OFF	2007/03/01 10:58
L4	750	(386/112,109).CCLS.	USPAT	OR	OFF	2007/03/01 13:47
L5	18	Mats NEAR1 Oberg	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	AND .	ON	2007/03/01 12:59
L6	4	Mats NEAR1 Oberg and metric	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	AND	ON	2007/03/01 13:01
L7	2	"6917313".pn.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	AND	ON	2007/03/01 13:01

L8	0	"6917313".pn. and metric	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	AND	ON	2007/03/01 13:02
L9	2	"6917313".pn. and flip	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	AND	ON	2007/03/01 13:02
L10	5	signal buffer track DC flips "zero"	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:48
L11	0	signal buffer track DC flips "zero"	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	WITH	ON	2007/03/01 13:48

L12	0	signal buffer track DC flips "zero" and l1	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:48
L13	0	signal buffer track DC flips "zero" and I3	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:48
L14		signal buffer track DC flips "zero" and I4	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:50
L15	7032	bias transistor base dc	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:50

3/1/07 1:55:05 PM Page 3

L16	0	bias transistor base dc and l1	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:51
L17	0	bias transistor base dc and I3	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:51
L18	0	bias transistor base dc and I4	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:52
L19	79	buffer (track\$2 or tracking) DC (flip\$4 or invert\$4)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:52

3/1/07 1:55:05 PM

L20	2	buffer (track\$2 or tracking) DC (flip\$4 or invert\$4) and l1	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:54
L21	0	buffer (track\$2 or tracking) DC (flip\$4 or invert\$4) and I3	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON ·	2007/03/01 13:54
L22	0	buffer (track\$2 or tracking) DC (flip\$4 or invert\$4) and I4	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	SAME	ON	2007/03/01 13:54



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1 Power minimization in IC design: principles and applications

Massoud Pedram

January 1996 ACM Transactions on Design Automation of Electro Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(550.02 Additional Information: full citation, KB) Citings, inde

Low power has emerged as a principal theme in today's electronics indu power has caused a major paradigm shift in which power dissipation is a performance and area. This article presents an in-depth survey of CAD attechniques for designing low power digital CMOS circuits and systems a issues facing designers at architectural, logical, and physical levels of designer of the techniques and tool ...

**Keywords**: CMOS circuits, adiabatic circuits, computer-aided design of dissipation, energy-delay product, gated clocks, layout, low power layou lower-power design, power analysis and estimation, power managemen management, probabilistic analysis, silicon-on-insulator technology, sta capacitance, switching activity, symbolic simulation, synthesis, system of

- 2 Special section: Reasoning about structure, behavior and function
- B. Chandrasekaran, Rob Milne
  July 1985 ACM SIGART Bulletin, Issue 93

Publisher: ACM Press

Full text available: pdf(5.13 Additional Information: full citation, MB)

Additional Information: full citation, citings

The last several years' of work in the area of knowledge-based systems understanding of the potentials of the current generation of ideas, but r about their limitations and the need for research both in a broader fram directions. The following ideas seem to us to be worthy of note in this content of the c

- 3 GPGPU: general purpose computation on graphics hardware
- David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia Aaron Lefohn

August 2004 ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04 Publisher: ACM Press

Full text available: pdf(63.03 MB) Additional Information: full citation,

The graphics processor (GPU) on today's commodity video cards has ev powerful and flexible processor. The latest graphics architectures provid bandwidth and computational horsepower, with fully programmable ver units that support vector operations up to full IEEE floating point precisi have emerged for graphics hardware, making this computational power GPUs are highly parallel s ...

- 4 Computing curricula 2001
- September 2001 Journal on Educational Resources in Computing Publisher: ACM Press

Full text available: pdf(613.63 | Additional Information: full citation, terms (2.78 KB)

- 5 Charles W. Bachman interview: September 25-26, 2004; Tucson, A
- Thomas Haigh

  January 2006 ACM Oral History interviews

Publisher: ACM Press

Full text available: pdf(761.66 KB) Additional Information: full citation,

Charles W. Bachman reviews his career. Born during 1924 in Kansas, Ba

school in East Lansing, Michigan before joining the Army Anti Aircraft Ar spent two years in the Southwest Pacific Theater, during World War II., military, Bachman earned a B.Sc. in Mechanical Engineering in 1948, fo M.Sc. in the same discipline, from the University of Pennsylvania. On gr for Do ...

6 A design-for-test structure for optimising analogue and mixed signal A. H. Bratt, A. M. D. Richardson, R. J. A. Harvey, A. P. Dorey

March 1995 Proceedings of the 1995 European conference on De

Publisher: IEEE Computer Society

Full text available: pdf(964.57

KB) ® Publisher

Additional Information: full citation,

Site

A new Design-for-Test (DfT) structure based on a configurable operation a "swap amp" is presented that allows access to embedded analogue bluminimal impact on circuit performance and has been evaluated on a custocked Loop (PLL) structure. A test chip containing faulty and fault free structure, with and without DfT modifications, has been fabricated and a scheme based on the swap-amp ...

**Keywords**: DfT modifications, configurable operational amplifier, custo loop, design for testability, design-for-test structure, diagnostics, emberintegrated circuit testing, mixed analogue-digital integrated circuits, mix operational amplifiers, phase locked loops, swap amp

7 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centron Collaborative research CASCON '97

Publisher: IBM Press

Full text available: pdf(4.21 Additional Information: full citation, MB)

MB)

Understanding distributed applications is a tedious and difficult task. Vis process-time diagrams are often used to obtain a better understanding application. The visualization tool we use is Poet, an event tracer develor Waterloo. However, these diagrams are often very complex and do not desired overview of the application. In our experience, such tools displa non-trivial commun ...

8 Recreational computer graphics: Recreational computer graphics

Andrew Glassner

July 2006 ACM SIGGRAPH 2006 Courses SIGGRAPH '06

**Publisher:** ACM Press

Full text available: Dpdf(13.82) Additional Information: full citation.

Computer graphics isn't just a bunch of algorithms and programs: it's a imagination, and a tool for investigating the world around us. Graphics nature, invent new kinds of patterns and shapes, build up the clarity of experiment with construction tools that would inspire even the most cla painters. Going beyond tools and technique, this course invites attended computer graphics in new ....

**9** Soviet Computer Technology--1959

March 1960 Communications of the ACM, Volume 3 Issue 3

**Publisher: ACM Press** 

Full text available: 4 pdf(8.23

MB)

Additional Information: full citation.

**10** Signal processing at 250 MHz using high-performance FPGA's

Brian Von Herzen

February 1997 Proceedings of the 1997 ACM fifth international sy programmable gate arrays FPGA '97

Publisher: ACM Press

Full text available: pdf(1.06 Additional Information: full citation, MB)

terms

11 Robust and low-power clock design: Process variation robust clock

Wai-Ching Douglas Lam, Cheng-Kok Koh

January 2005 Proceedings of the 2005 conference on Asia South automation ASP-DAC '05

**Publisher:** ACM Press

Full text available: pdf(347.53 Additional Information: full citation, citings KB)

As the minimum feature sizes of VLSI circuits get smaller while the cloc effects of process variations become significant. We propose a UST/DMI perform simultaneous non-zero clock skew scheduling and clock tree ro consideration the effects of process variations on clock skews. Our appr generated clock tree has a high tolerance to process variations while mi capacitance of the clock tree, which is ...

### 12 Formal verification in hardware design: a survey

A Christoph Kern, Mark R. Greenstreet

April 1999 ACM Transactions on Design Automation of Electronic : Volume 4 Issue 2

**Publisher: ACM Press** 

Full text available: pdf(411.53 Additional Information: full citation, citings, inde:

In recent years, formal methods have emerged as an alternative approx and correctness of hardware designs, overcoming some of the limitation techniques such as simulation and testing. There are two main aspects methods in a design process: the formal framework used to specify des and the verification techniques and tools used to reason about the relat

Keywords: case studies, formal methods, formal verification, hardware containment, model checking, survey, theorem proving

**13** A floorplan-based planning methodology for power and clock distrib

Joon-Seo Yim, Seong-Ok Bae, Chong-Min Kyung

June 1999 Proceedings of the 36th ACM/IEEE conference on Desi

**Publisher: ACM Press** 

Full text available: pdf(1.19 Additional Information: full citation, MB) terms

#### **14** Software-controlled fault tolerance

George A. Reis, Jonathan Chang, Neil Vachharajani, Ram Rangan, David I Mukherjee

December 2005 ACM Transactions on Architecture and Code Opti Volume 2 Issue 4

**Publisher: ACM Press** 

Full text available: pdf(638.90 Additional Information: full citation,

KB) <u>citings</u>, inde

Traditional fault-tolerance techniques typically utilize resources ineffecti adapt to the changing reliability and performance demands of a system software-controlled fault tolerance, a concept allowing designers and us performance and reliability for each situation. Several software-controlle techniques are then presented: SWIFT, a software-only technique, and hardware/software techniques ...

Keywords: Software-controlled fault tolerance, fault detection, reliabili

15 Performance measurement/content inspection: Design and analysis

from performance, reliability and energy perspective

Jongman Kim, Dongkook Park, Chrysostomos Nicopoulos, N. Vijaykrishnar

October 2005 Proceedings of the 2005 symposium on Architectur

communications systems ANCS '05

**Publisher:** ACM Press

Full text available: pdf(867.80 Additional Information: full citation, KB) index terms

Network-on-Chip (NoC) architectures employing packet-based commun increasingly adopted in System-on-Chip (SoC) designs. In addition to pithe fault tolerance and reliability of these networks is becoming a critical artifacts of deep sub-micron technologies. Consequently, it is important access to fast methods for evaluating the performance, reliability, and  $\epsilon$  chip network. Towards this ...

**Keywords**: adaptive routing, networks-on-chip, reliability

16 The energy complexity of register files

V. Zyuban, P. Kogge

August 1998 Proceedings of the 1998 international symposium o and design ISLPED '98

Publisher: ACM Press

Full text available: Dpdf(923.77 Additional Information: full citation, KB) citings, inde

Register files (RF) represent a substantial portion of the energy budget are growing rapidly with the trend towards wider instruction issue. The depend greatly on the register file circuitry used. This paper compares v

techniques for their energy ef- ficiencies, as a function of architectural  ${\mathfrak p}$  number of registers and the number of ports. The Port Priority Selection the ...

17 Part 3: adiabatic and energy-recovery circuits: Fast, efficient, recove

Visvesh Sathe, Juang-Ying Chueh, Joohee Kim, Conrad H. Ziesler, Suhwar Papaefthymiou

May 2005 Proceedings of the 2nd conference on Computing front Publisher: ACM Press

Full text available: pdf(543.05 Additional Information: full citation, KB) index terms

Recent advances in CMOS VLSI design have taken us to real working ch charge recovery to operate at sub-stantially lower power dissipation lev counterparts. In this paper, we present two such chips that were design and highlight some of the promising charge-recovery techniques in prac can be traced back to the early adiabatic circuits, these techniques appr a more pr ...

Keywords: adiabatic computing, charge-recovery circuits, resonant sys

18 Architecture 1: Embedded floating-point units in FPGAs

Michael J. Beauchamp, Scott Hauck, Keith D. Underwood, K. Scott Hemme February 2006 Proceedings of the 2006 ACM/SIGDA 14th international Field programmable gate arrays FPGA '06

Publisher: ACM Press

Full text available: pdf(831.66 Additional Information: full citation, KB) index terms

Due to their generic and highly programmable nature, FPGAs provide th wide range of applications. However, it is this nonspecific nature that have in scientific applications that require floating-point arithmetic. Even simple operations consume a large amount of computational resources. In this embedding floating-point multiply-add units in an island style FPGA. This average area savings of 55 ...

Keywords: FPGA, FPGA architecture, FPU, floating-point

19 <u>Time-Varying, Frequency-Domain Modeling and Analysis of Phase-</u>

#### Sampling Phase-Frequency Detectors

Piet Vanassche, Georges Gielen, Willy Sansen

March 2003 Proceedings of the conference on Design, Automatio Volume 1 DATE '03

**Publisher: IEEE Computer Society** 

Full text available: pdf(147.64

KB) Additional Information: <u>full citation</u>,

Publisher terms

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This paper presents a new, frequency-domain based method for modelin locked loop (PLL) small-signal behavior, including time-varying aspects. sampling phase-frequency detectors (PFDs) which compute the phase e the reference signal. Using the harmonic transfer matrix (HTM) formalis continuous-time, linear time-invariant (LTI) approximations are extende time-varying behavior, aris ...

20 Memory-efficient and self-stabilizing network RESET (extended abs

Baruch Awerbuch, Rafail Ostrovsky

August 1994 Proceedings of the thirteenth annual ACM symposiu distributed computing PODC '94

**Publisher:** ACM Press

Full text available: pdf(1.02 Additional Information: full citation,

MB) terms

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1 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, P August 2004 ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04

**Publisher: ACM Press** 

Full text available: A pdf(17.07

Additional Information: full citation,

MB)

Level set methods, an important class of partial differential equation (PI dynamic surfaces implicitly as the level set (iso-surface) of a sampled,  $\epsilon$ course begins with preparatory material that introduces the concept of i equations to solve problems in computer graphics, geometric modeling will include the structure and behavior of several different types of diffe level set eq ...

2 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemys Roble, Jos Stam, Jerry Tessendorf

August 2004 ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04

**Publisher: ACM Press** 

Full text available: Dpdf(17.65

Additional Information: full citation,

MB)

This updated course on simulating natural phenomena will cover the lat techniques for simulating most of the elements of nature. The presenter production, interactive simulation, and research perspectives on the diff modeling, rendering, and animation of natural phenomena. The course latest interactive graphics hardware-based simulation techniques and the simulation techni ...

3 A behavioral signal path modeling methodology for qualitative insigh CMOS opamps

Francky Leyn, Walter Daems, Georges Gielen, Willy Sansen

November 1997 Proceedings of the 1997 IEEE/ACM internationa Computer-aided design ICCAD '97

**Publisher:** IEEE Computer Society

Full text available: pdf(159.97

Additional Information: full citation, KB) 🗐

Publisher citings, inde

Site

This paper describes a new modeling methodology that allows to derive signal path models of operational amplifiers. Combined with symbolic si provide high qualitative insight in the small-signal functioning of a circu path model provides compact interpretable expressions for the poles an signal path. These expressions show which design parameters have don position of a pole/z ...

**Keywords**: behavioral signal path, incremental modeling, small-signal, sequential design space pruning

4 Line drawings from 3D models: Line drawings from 3D models

Szymon Rusinkiewicz, Doug DeCarlo, Adam Finkelstein

July 2005 ACM SIGGRAPH 2005 Courses SIGGRAPH '05

Publisher: ACM Press

Full text available: 4 pdf(9.46

MB)

Additional Information: <u>full citation</u>,

**5** Special section: Reasoning about structure, behavior and function

B. Chandrasekaran, Rob Milne

July 1985 ACM SIGART Bulletin, Issue 93

**Publisher: ACM Press** 

Full text available: pdf(5.13 Additional Information: full citation.

MB) citings

The last several years' of work in the area of knowledge-based systems understanding of the potentials of the current generation of ideas, but r about their limitations and the need for research both in a broader fram directions. The following ideas seem to us to be worthy of note in this content of the c

6 Recorded magnetic tape for information interchange (800 CPI, NRZ

S. Gorn

April 1966 Communications of the ACM, Volume 9 Issue 4

Publisher: ACM Press

Full text available: 4 pdf(1.36

MB)

Additional Information: full citation

7 Exploiting perception in high-fidelity virtual environments: Exploiting

fidelity virtual environments

Additional presentations f

Additional presentations from the 24th course are available on Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Did July 2006 ACM SIGGRAPH 2006 Courses SIGGRAPH '06

Publisher: ACM Press

Full text available: Apdf(5.07

MB) mov Additional Information: <u>full citation</u>, (68:6 MIN)

The objective of this course is to provide an introduction to the issues the when building high-fidelity 3D engaging shared virtual environments. The perception guide important development of algorithms and techniques is auditory, and haptic rendering. We aim to show how human perception realism in high fidelity environments within the constraints of available resources. In this course w ...

**Keywords**: collaborative environments, haptics, high-fidelity rendering interaction, multi-user, networked applications, perception, virtual reality.

**8** A control-theoretic approach to adapting VBR compressed video for communications channel

Soung C. Liew, Derek Chi-yin Tse

February 1998 IEEE/ACM Transactions on Networking (TON), Vo

Publisher: IEEE Press

Full text available: pdf(429.79 KB) Additional Information: full citation,

**Keywords**: rate control, traffic adaptation, video compression, video tr control

9 Power minimization in IC design: principles and applications

Massoud Pedram

January 1996 ACM Transactions on Design Automation of Electro
Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(550.02 Additional Information: full citation, KB) citings, inde

Low power has emerged as a principal theme in today's electronics indu power has caused a major paradigm shift in which power dissipation is a performance and area. This article presents an in-depth survey of CAD attechniques for designing low power digital CMOS circuits and systems a issues facing designers at architectural, logical, and physical levels of designer of the techniques and tool ...

**Keywords**: CMOS circuits, adiabatic circuits, computer-aided design of dissipation, energy-delay product, gated clocks, layout, low power layou lower-power design, power analysis and estimation, power managemen management, probabilistic analysis, silicon-on-insulator technology, sta capacitance, switching activity, symbolic simulation, synthesis, system (

10 Recorded magnetic tape for information interchange (1600 CPI, pha

C. Kerpelman

November 1970 Communications of the ACM, Volume 13 Issue 11

Publisher: ACM Press

Full text available: pdf(1.00 MB)

Additional Information: full citation,

This proposed American National Standard has been accepted for public Standards Committee X3, Computers and Information Processing. In or the proposed standard reflect the largest public consensus, X3 authorize

document to elicit comment and general public reaction, with the under working document is an intermediate result in the standardization procechange, modificat ...

**Keywords**: information interchange, input-output, instrumentation, maphase encoded recording

11 Draft Proposed: American National Standard—Graphical Kernel Sys

Technical Committee X3H3 - Computer Graphics

February 1984 ACM SIGGRAPH Computer Graphics, Volume 18 Issu

Publisher: ACM Press

Full text available: 4 pdf(16.07

MB)

Additional Information: <u>full citation</u>

12 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia Aaron Lefohn

August 2004 ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04

Publisher: ACM Press

Full text available: pdf(63.03

MB)

Additional Information: full citation,

The graphics processor (GPU) on today's commodity video cards has ev powerful and flexible processor. The latest graphics architectures provid bandwidth and computational horsepower, with fully programmable ver units that support vector operations up to full IEEE floating point precisi have emerged for graphics hardware, making this computational power GPUs are highly parallel s ...

- 13 System-level power optimization: techniques and tools
- Luca Benini, Giovanni de Micheli

April 2000 ACM Transactions on Design Automation of Electronic : Volume 5 Issue 2

Publisher: ACM Press

Full text available: pdf(385.22 Additional Information: full citation, KB) citings, inde

This tutorial surveys design methods for energy-efficient system-level d

electronic sytems consisting of a hardware platform and software layers major constituents of hardware that consume energy, namely computat storage units, and we review methods of reducing their energy consumi for analyzing the energy cost of software, and methods for energy-effici compilation. This survery ...

**14** Seeing, hearing, and touching: putting it all together

Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensi August 2004 ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04 Publisher: ACM Press

MB)

Additional Information: full citation

15 MPEG-4: an object-based multimedia coding standard supporting m Atul Puri, Alexandros Eleftheriadis

June 1998 Mobile Networks and Applications, Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(747.80 Additional Information: full citation, citings, inde

The ISO MPEG committee, after successful completion of the MPEG-1 ar currently working on MPEG-4, the third MPEG standard. Originally, MPEG standard for coding of limited complexity audio-visual scenes at very lov July 1994, its scope was expanded to include coding of scenes as a colle visual objects and enabling a range of advanced functionalities not supp One of the ke ...

**16** Computing curricula 2001

September 2001 Journal on Educational Resources in Computing Publisher: ACM Press

Full text available: Additional Information: full citation, KB) 🖲 html terms (2.78 KB)

17 Analog macromodeling: Automated nonlinear Macromodelling of ou speed digital applications

Ning Dong, Jaijeet Roychowdhury

June 2005 Proceedings of the 42nd annual conference on Design

**Publisher:** ACM Press

Full text available: pdf(1.30 Additional Information: full citation, MB) index terms

We present applications of a recently developed automated nonlinear m the important problem of macromodelling high-speed output buffers/dri macromodels of such drivers are essential for fast signal-integrity and t speed digital design. Unlike traditional black-box modelling techniques, nonlinear macromodels of digital drivers automatically from SPICE-level naturally capture t ...

Keywords: I/O buffer macromodeling, nonlinear macromodeling

**18** Proceedings of the SIGNUM conference on the programming envirc

of numerical software

March 1979 ACM SIGNUM Newsletter, Volume 14 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(5.02

MB)

Additional Information: full citation

19 Network Protocols

Andrew S. Tanenbaum

December 1981 ACM Computing Surveys (CSUR), Volume 13 Issue

**Publisher: ACM Press** 

Full text available: pdf(3.37 Additional Information: full citation,

MB) terms

20 Charles W. Bachman interview: September 25-26, 2004; Tucson, All

Thomas Haigh

January 2006 ACM Oral History interviews

**Publisher: ACM Press** 

Full text available: pdf(761.66 Additional Information: full citation,

KB)

Charles W. Bachman reviews his career. Born during 1924 in Kansas, Bi school in East Lansing, Michigan before joining the Army Anti Aircraft Air spent two years in the Southwest Pacific Theater, during World War II. military, Bachman earned a B.Sc. in Mechanical Engineering in 1948, fo M.Sc. in the same discipline, from the University of Pennsylvania. On gr for Do ...

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